Attorney Docket No. 041993-5220

Application No.: Unassigned

(Use several sheets if necessary)

Applicant: Chang-Seok GEUM

Sheet 1 of 10

PTO Form 1449

Filing Date: September 12, 2003

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
noc	3,978,580	09/07/1976	Leupp, et al.			09/27/1974
MBC	4,094,058	06/13/1978	Yasutake, et al.			07/23/1976
MBC	BC 4,653,864 03/31/1987 Baron, et al.				02/26/1986	
MIC	4,691,995	09/08/1987	Yamazaki, et al.			07/15/1986
MBC	4,775,225	10/04/1988	Tsuboyama, et al.			05/14/1986
MBC	5,247,377	09/21/1993	Omeis, et al.			07/24/1989
MRC	5,263,888	3,888 11/23/1993 Ishihara, et al.				02/11/1993
MBC	5,379,139 01/03/1995 Sato, et al.				07/06/1992	
The BC	5,406,989	04/18/1995	Abe			10/12/1993
MBC	5,499,128	03/12/1996	Hasegawa, et al.			03/15/1994
1480	5,507,323	04/16/1996	Abe			11/22/1994
P130	5,511,591	04/30/1996	Abe			04/10/1995
1150	5,539,545	07/23/1996	Shimizu, et al.			05/17/1994
MBC	5,548,429	08/20/1996	Tsujita			06/14/1994
poc	5,642,214	06/24/1997	Ishii, et al.	,		07/05/1994
MBC	5,680,189	10/21/1997	Shimizu, et al.			06/07/1995
MBC	5,742,370	04/21/1998	Kim, et al.			02/26/1997

Examiner /

MICCELL

Date Considered 10/1/04

Examiner:

Attorney Docket No. 041993-5220

Application No.: Unassigned

(Use several sheets if necessary)

Applicant: Chang-Seok GEUM

Sheet 2 of 10

PTO Form 1449

Filing Date: September 12, 2003

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
MBO	5,757,451	05/26/1998	Miyazaki, et al.			09/09/1996
MAD	5,852,484	12/22/1998	Inoue, et al.			05/27/1997
MBO	5,854,664	12/29/1998	Inoue, et al.			09/25/1995
MBC	5,861,932	01/19/1999	Inata, et al.			03/30/1998
mre	5,875,922	03/02/1999	Chastine, et al.			10/10/1997
MOC	5,952,676	5,952,676 09/14/1999 Sato, et al.				06/06/1997
MBC	5,956,112	09/21/1999	Fujimori, et al.			10/01/1996
MBC	6,001,203	12/14/1999	Yamada, et al.			12/10/1997
9460	6,011,609	01/04/2000	Kato, et al.	-		10/02/1997
MBC	6,016,178	01/18/2000	Kataoka, et al.	-		03/14/1997
MBC	6,016,181	01/18/2000	Shimada			01/21/1997
Ph BC	6,055,035	04/25/2000	von Gutfeld, et al.			05/11/1998
moe	6,163,357	12/19/2000	Nakamura		_	09/26/1997
MB(6,219,126	04/17/2001	Von Gutfeld			11/20/1998
m BC	6,226,067	05/01/2001	Nishiguchi, et al.			09/30/1998
mage	6,236,445	05/22/2001	Foschaar, et al.			02/22/1996
mae	6,304,306	10/16/2001	Shiomi, et al.			04/20/1998

Examiner Mull COLL

Date Considered

10/1/04

Examiner:

Attorney Docket No. 041993-5220

Application No.: Unassigned

(Use several sheets if necessary)

Applicant: Chang-Seok GEUM

Sheet 3 of 10

PTO Form 1449

Filing Date: September 12, 2003

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name		Class	Sub Class	Filir	ng Date
MBC	6,304,311	10/16/2001	Egami, et al.				11/11/1	
MBC	6,337,730	01/08/2002	Ozaki, et al.			_		
mre	6,414,733	07/02/2002	Ishikawa, et al.		_	_	06/01/1999	
MBC	2001/0021000	09/13/2001	Egami				02/01/2	·
		FOREIG	N PATENT DOCUME	ENTS			02/01/2	
	Document Number	Date	Country	Class	Sub Class		Trans YES	slation NO
2010	51-65656 V	06/07/1976	Japan	,		Abs	Abstract	
prBC	57-38414 V	03/03/1982	Japan				Abstract	
MBC	57-88428 V	06/02/1982	Japan	_	= _		Abstract	
900C	₅₈₋₂₇₁₂₆ ν	02/17/1983	Japan			Abst		
9410	59-57221 V	04/02/1984	Japan			Abst		
91BC	59-195222	11/06/1984	Japan			Abst		
MBC	60-111221 V	06/17/1985	Japan			Abst		
MBC	60-164723 V	08/27/1985	Japan			Abstract		
MBC	60-217343 V	10/30/1985	Japan			Abstract		
930	61-7822	01/14/1986	Japan		_	Abstr		
Examiner /	DCOM		Date Conside	ered /	0/1/0			
Fyaminer: In	uitial if raforance access							

Examiner:

Attorney Docket No. 041993-5220

Application No.: Unassigned

(Use several sheets if necessary)

Applicant: Chang-Seok GEUM

Sheet 4 f 10

PTO Form 1449

Filing Date: September 12, 2003

Group Art Unit: Unassigned

		FOREIG	N PATENT DOCUM	1ENTS			
	Document Number	Date	Country	Class	Sub Class	<u>Tran</u> YES	slation NO
gr BC	61-55625	03/20/1986	Japan			Abstract	
ANC PARC	62-89025	ν _{04/23/1987}	Japan			Abstract	
PhBC	62-90622	V 04/25/1987	Japan			Abstract	
MBC	62-205319	V 09/09/1987	Japan			Abstract	
Ph BC	63-109413	05/14/1988	Japan		_	Abstract	
Ang C	63-110425	V 05/14/1988	Japan			Abstract	
FURC	63-128315	05/31/1988	Japan			Abstract	
93BC	63-311233	V 12/20/1988	Japan	_		Abstract	
	5-127179	-05/25/1993	Japan			Abstract	
MBO	5-154923	V 06/22/1993	Japan		(Abstract	
gribe	5-265011	V 10/15/1993	Japan)	Abstract	
MIRC	5-281557	10/29/1993	Japan			Abstract	
MBC	5-281562	V 10/29/1993	Japan			Abstract	
mBO	6-148657	05/27/1994	Japan			Abstract	
Tr.BC	6-160871	06/07/1994	Japan			Abstract	
MAC	6-235925	08/23/1994	Japan		_	Abstract	
ARC	6-265915	V 09/22/1994	Japan		_	Abstract	
MAR	6-313870	11/08/1994	Japan			Abstract	

Examiner All

Date Considered

10/1/04

Examiner:

INFORMATION DISCLOSURE CITATION Attorney Docket No. Application No.: 041993-5220 Unassigned (Use several sheets if necessary) Applicant: Chang-Seok GEUM Sheet 5 of 10 PTO Form 1449 Filing Date: September 12, 2003 Group Art Unit: Unassigned FOREIGN PATENT DOCUMENTS Document Sub Translation Number Date Country Class Class YES mnc 6-51256 02/25/1994 Japan Abstract 7-84268 03/31/1995 Japan Abstract 7-128674 05/19/1995 Japan Abstract 7-181507 07/21/1995 Japan Abstract 8-95066 04/12/1996 Japan Abstract M30 8-101395 04/16/1996 Japan Abstract 8-106101 04/23/1996 Japan Abstract 8-171094 07/02/1996 Japan Abstract 8-190099 07/23/1996 Japan Abstract 8-240807 09/17/1996 Japan Abstract 9-5762 01/10/1997 Japan Abstract 9-26578 01/28/1997 Japan Abstract 9-61829 03/07/1997 Japan Abstract 9-73075 03/18/1997 Japan Abstract 9-73096 03/18/1997 Japan Abstract 9-127528 05/16/1997 Japan Abstract Examiner Date Considered 10/1/04

Examiner:

INFORMATION DISCLOSURE CITATION

Attorney Docket No. 041993-5220

(Use several sheets if necessary)

Applicant: Chang-Seok GEUM

PTO Form 1449

Filing Date: September 12, 2003

Group Art Unit: Unassigned

		Document Number	Date	Country	Class	Sub Class	<u>Trans</u> YES	slation NO
INBC		9-230357	09/05/1997	Japan			Abstract	
TUBC		9-281511	10/31/1997	Japan			Abstract	
91 130		9-311340	12/02/1997	Japan			Abstract	
MBC		10-123537 V	05/15/1998	Japan			Abstract	
MBC		10-123538	05/15/1998	Japan			Abstract	
PUBC		10-142616	05/29/1998	Japan			Abstract	
9MBC		10-177178 V	06/30/1998	Japan			Abstract	
AIRC		10-221700 1	08/21/1998	Japan		_	Abstract	
p130		10-282512 V	10/23/1998	Japan			Abstract	
MRC		10-333157	12/18/1998	Japan			Abstract	
Sills		10-333159	12/18/1998	Japan			Abstract	
MAP		11-14953 V	01/22/1999	Japan)	Abstract	
9400		11-38424 L	02/12/1999	Japan		_	Abstract	
MBC		11-64811	03/05/1999	Japan			Abstract	
MBC		11-109388 L	04/23/1999	Japan			Abstract	
grace !		11-133438	05/21/1999	Japan			Abstract	
MBC		11-142864	05/28/1999	Japan			Abstract	

Examiner ADOM

Date Considered /0///04

Examiner:

Attorney Docket No. 041993-5220

Application No.: Unassigned

(Use several sheets if necessary)

Applicant: Chang-Seok GEUM

Sheet 7 of 10

PTO Form 1449

Filing Date: September 12, 2003

Group Art Unit: Unassigned

		FOREIC	GN PATENT DOCUM	IENTS			
	Document Number	Date	Country	Class	Sub Class	<u>Trans</u> YES	lation NO
mo	11-174477	07/02/1999	Japan	Japan		Abstract	
Fis BC	11-212045	08/06/1999	Japan		_	Abstract	
99BC	11-248930	09/17/1999	Japan			Abstract	
9480	11-326922	11/26/1999	Japan		~	Abstract	
MBC	11-344714 V	12/14/1999	Japan	-	1	Abstract	
MBC	₂₀₀₀₋₂₈₇₉ V	01/07/2000	Japan			Abstract	
MBC	2000-56311	02/25/2000	Japan		_	Abstract	
gn BC	2000-66165	03/03/2000	Japan	-	-	Abstract	
9486	2000-137235	05/16/2000	Japan			Abstract	
gy BC	2000-147528	05/26/2000	Japan		-	Abstract	
gyBC	2000-193988 🗸	07/14/2000	Japan		_	Abstract	
MBC	2000-241824 V	09/08/2000	Japan		_	Abstract	
MBC	2000-284295	10/13/2000	Japan			Abstract	
MBC	2000-29035	01/28/2000	Japan		/	Abstract	
gy BC	2000-292799 🗸	10/20/2000	Japan		7	Abstract	
MBC	2000-310759	11/07/2000	Japan		_	Abstract	
	2000-310784 V	11/07/2000	Japan			Abstract	
Evamina A	1100011			<u> </u>		710311401	

Abs (

Examiner //

Date Considered

10/1/04

Examiner:

Attorney Docket No. 041993-5220

Application No.: Unassigned

(Use several sheets if necessary)

Applicant: Chang-Seok GEUM

Sheet 8 of 10

PTO Form 1449

Filing Date: September 12, 2003

Group Art Unit: Unassigned

	_		-	ENT DOCUM				
	Document Number	Date		Country	Class	Sub Class	<u>Transl</u> YES	ation NO
MBC	2000-338501 🗸	2000-338501 🗸 12/08/2000		1			Abstract	
MD(2)	2001-5401 V	01/12/2001	Japai	1			Abstract	
mBC	2001-5405 V	01/12/2001	Japar	1			Abstract	
MBC.	2001-13506 V	01/19/2001	Japar	<u> </u>			Abstract	
9411(2)	2001-33793 V	02/09/2001	Japar	1			Abstract	
MAP	2001-42341 V	02/16/2001	Japar	<u> </u>			Abstract	
95BC	2001-51284	02/23/2001	Japan	l .			Abstract	
Py BC	2001-66615 V	03/16/2001	Japan	I			Abstract	
gyBC	2001-91727 V	04/06/2001	Japan				Abstract	
94BC	2001-117105 V	04/27/2001	Japan	l			Abstract	
MAG	2001-117109 У	04/27/2001	Japan	·			Abstract	
MBC	2001-133745 V	05/18/2001	Japan				Abstract	
MBC.	2001-133794 ✓	05/18/2001	Japan			1	Abstract	
MBC	2001-133799 ✓	05/18/2001	Japan			~	Abstract	
RIBC	2001-142074 √	05/25/2001	Japan				Abstract	
MBC	2001-147437	05/29/2001	Japan			~	Abstract	
ng P	2001-154211	06/08/2001	Japan			-	Abstract	
Examiner M	MCCI			Date Consid	lered /6//	104		***

Examiner:

INFORMATION DISCLOSURE CITATION Attorney Docket No. Application No.: 041993-5220 Unassigned (Use several sheets if necessary) Applicant: Chang-Seok GEUM Sheet 9 of 10 PTO Form 1449 Filing Date: September 12, 2003 Group Art Unit: Unassigned FOREIGN PATENT DOCUMENTS Document Sub **Translation** Number Date Country Class Class YES NO 2001-166272 🗸 06/22/2001 Japan Abstract 2001-166310 06/22/2001 Japan Abstract 2001-183683 07/06/2001 Japan Abstract 07/27/2001 2001-201750 Japan Abstract 2001-209052 08/03/2001 Japan Abstract 2001-209060 08/03/2001 Japan Abstract 2001-215459 08/10/2001 Japan Abstract 2001-222017 08/17/2001 Japan Abstract 2001-235758 08/31/2001 Japan Abstract 2001-255542 09/21/2001 Japan Abstract 2001-264782 09/26/2001 Japan Abstract 2001-272640 10/05/2001 Japan Abstract 2001-281675 10/10/2001 Japan Abstract 2001-281678 V 10/10/2001 Japan Abstract 2001-282126 10/12/2001 Japan Abstract 2001-305563 10/13/2001 Japan Abstract 2001-330837 11/30/2001 Japan Abstract

Examiner:

Examiner

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date Considered

10/1/04

INFORMATION DISCLOSURE CITATION Attorney Docket No. Application No.: 041993-5220 Unassigned Sheet 10 of 10 Applicant: Chang-Seok GEUM (Use several sheets if necessary) PTO Form 1449 Filing Date: September 12, 2003 Group Art Unit: Unassigned FOREIGN PATENT DOCUMENTS Document Sub **Translation** Class Class YES NO Number Country Date 11/30/2001 2001-330840 Abstract Japan 12/26/2001 2001-356353 V Abstract Japan 2001-356354 12/26/2001 Japan Abstract 2002-14360 01/18/2002 Abstract Japan 2002-23176 01/23/2002 Japan Abstract 2002-49045 02/15/2002 Abstract Japan 2002-82340 03/22/2002 Abstract Japan 2002-90759 03/27/2002 Japan Abstract 2002-90760 03/27/2002 Japan Abstract 2002-107740 04/10/2002 Japan Abstract

Japan

Japan

Japan

Japan

Japan

Japan

Korea

Examiner Rill Coll Date Considered 10/1/04

04/26/2002

04/26/2002

05/17/2002

07/19/2002

07/19/2002

07/31/2002

06/26/2000

2002-122872

2002-122873

2002-139734

2002-202512

2002-202514

2002-214626

2000-0035302

Examiner:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Abstract

Abstract

Abstract

Abstract

Abstract

Abstract

Abstract